

10/531,844
October 31, 2006
October 12, 2006

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Ecoli ---MADYQEKNVVIGLGLTGLSCVDFFLARGVTPRVMDTRMTPP---GLDKLPEAVERH
Efaecalis MKKITPTYQNKKVLVLGLAKSGVSAAKLLHELGA LVTVNDAKQFDQNPDAQDLLTLGIRVV
Paeruginosa .-MSLIASDHFRIVVGLGKSGMSLVRYLARRGLPF FAVVD TRENPPELATLRAQYPQVEVR
Saureus MLNPTYGLENKNVLVVGLAKSGYEA AKLLSKLGANVTVDGKDLSQDAHAKDLESMGISV

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Ecoli TGSINDEWLMAA-DLIVASPGIALAHPSLSAARADAGIEIVGDIELFCREAQAPIVAITGS
Efaecalis TGGHPIELDDEEFELIVKNPGILYTNPLVAEALTRKPIIITEVELAGQIAECPIVGITGT
Paeruginosa CGELDAEFLCSA-RELYVSPGLSLRTPALVQAAAKGVRISGDIYDLFAREAKAPIVAITGS
Saureus SGSHPLTLDDNN-PIIVKNPGIPYTVSIIDEAVKRGLKILTEVELSYLISEAPIIAVTGT

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Ecoli      NGKSTVTT LVGEMAKAAGVNV--GVGGNIGLPA--LMLLDDECELYVLELSSSFQLETTSS
Efaecalis  NGKTTTTT M IGLLLNADRTAGEARLAGNIGFPASTVAQEATAKDDLVMELSSSFQLMGIET
Paeruginosa NAKSTVTT LVGEMAVAADKRV--AVGGNLGTPA--LDLLADDIELYVLELSSSFQLETCDR
Saureus     NGKTTVTS LIGDMFKKSRLTG--RLSGNIGYVASKVAQEVKPTDYLVTLELSSSFQLLGIEK
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Ecoli LQVAATIINVTEDHMDRYPFGLQQYRAAKLRIYENAKVCVVNADDALTMPIRG-ADERC
Efaecalis FHPQIAVITNIFEAHLDYH-GSRKEYVAAKWAIQKNMTAEDTLILNWNQVELQTLAKTTA
Paeruginosa LNAEVATVNVSEDHMDRY-DGMADYHLAKHRIFRGARQVVVNRRADALTAPLIA-DTVPC
Saureus YKPHIATITNIYSAHLDYH-ENLENYQNAKKQIYKNQTEEDYLYCNHQRVIE-SEELK

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Ecoli      VSFGVN---MGDYHLNHQQGETWLRVKGEKVLNVKEMKLSGQHNYTNALAAALADAAGL
Efaecalis  ANVLPFSTKEAVEGAYLLDG--KLYFNEEYIMPADELGI PGSHNIENALAAICVPKLNK
Paeruginosa WSFLGNKPFDFKAFGLIEEDGQKWLAFQFDKLLPVGELKIRGAHNYSNALAAALGHAVGL
Saureus     AKTLYFSTQQEVDGITYIKDG--FIVYKGVRIINTEDLVLPGEHNLENI LAAVLACILAGV
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Ecoli      PRASSLKATTTFTGLPHRFEVULEHNGVRWINDSKATNVGSTEAAALN--GLHVDGTLHL
Efaecalis  SNAQIKQSSTNFSGVPHRTQFVGVEVQRRREYNDKATNFLATEMALS--GFDNQKLLLLA
Paeruginosa PFDAMLGAKAFSGSLAHRQVWRERQGVSYDDSKATNVGAALAAIEGLGADIDGKLVLL
Saureus     PIKAIIDSSTTFSGIEHRLQYVGNTNRNTNKYNDKATNTLATQFALN--SFN-QPIIWL

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Ecoli      LGGDGGKSAQFSPFLARYLNGDNVRLYCFGRDGAQLAALR--PEVAEQT--ETMEQAMRLLA
Efaecalis  GGLD-RGNBFDELVPALLG-LKAIVLFGETKKKLAEAAKKPNIETILFAENVQTAVTIAF
Paeruginosa AGGDGKGAFDHDRLREPVARFCRAVVLGRDAGLIAQAL--GNAVPLVRVATLDEAVRQAA
Saureus    GGLD-RGNBFDELIPYMN-VRAMVVFQGTAKFAKLGNS-QGKSVIEANNVEDAVDKVQ
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(Figure 8)

Application No.
Amendment Dated
Reply to Office Action of
NEW SHEET

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Ecoli PRVQPGDMVLLSPACASLDQFKNFQRGNEFARLAKELG---- (SEQ ID NO:1)
Efaecalis DYSEKDDTILLSPACASWDQYPNFVVRGEAFMQAVQQLKESEM (SEQ ID NO:2)
Paeruginosa ELAREGDAVLLSPACASLDMFKNFEEERGRLEFAKAVEELA---- (SEQ ID NO:3)
Saureus DIIEFPNDVVLLSPACASWDQYSTFEERGEKFIERFRAHLPSY- (SEQ ID NO:4)

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(Figure 8)